

BIOCHECK®

60



WARNING!
MAY BE HARMFUL OR FATAL IF SWALLOWED
MAY BE ABSORBED THROUGH SKIN
CAUSES EYE AND SKIN IRRITATION

Handle with care.

Avoid contact.

Do not get in eyes, on skin, on clothing.
Wear goggles and rubber gloves when handling.

Wash thoroughly after handling.

Remove and wash contaminated clothing before reuse.

Avoid storage near feed or food products.

Do not use or store near heat or open flame.

Keep container closed.

In case of contact, wash skin immediately with soap and water; flush eyes with water for at least 15 minutes. Get medical attention.

For Production of
Bacteriostatic Products

**50 GALLONS
(NET WT. 400 LB.)**



MERCK CHEMICAL DIVISION
MERCK & CO., INC. • RAHWAY, N.J. 07065, U.S.A.

Product 98060
(60-271)

ACTIVE INGREDIENT

Dodecylguanidine Hydrochloride 24.74%

INERT INGREDIENTS

75.26%

DOSAGE — Apply in a manner to provide residues of Dodecylguanidine Hydrochloride within the range of 0.0175% to 0.20% by weight of the treated materials. Refer to the Product Data Sheet.

CONTAINER DISPOSAL — Rinse empty container thoroughly with water and discard it.

NOTICE TO BUYER — Buyer assumes all risks of use and handling which are at variance in any way with the directions hereon. There are no warranties which extend beyond the description on this label.

EPA REG NO 2914 25 AC

Made in U.S.A.

BIOCHEK® 60*

Product #9806C

DESCRIPTION:

BIOCHEK 60 is a unique biocide that imparts lasting antibacterial properties to pulp, paper, and board products. It can be applied in the wet end through a unique patented process or by conventional methods such as spraying or dipping. BIOCHEK 60 is a specially formulated guanidine derivative which has an affinity for fibers. It is a broad-spectrum biocide which will control many disease-producing bacteria and other microorganisms in a wide range of paper products such as, professional towels, surgical face masks, caps and gowns, instrument wrappings, disposable diapers, covers for hospital night stands, aseptic facial tissues, sanitary goods and bathroom tissue. **BIOCHEK 60 can be used in the manufacture of paper and paperboard for food packaging.**

SPECIFICATIONS:

Chemical name:	Dodecylguanidine hydrochloride
Description:	Pale yellow liquid
Active ingredients:	24.74% Dodecylguanidine hydrochloride
Color:	Pale yellow
Odor:	Mildly alcoholic
Specific gravity:	0.96
Weight per gallon:	7.96 lb.
Freezing point:	14°F (readily redissolved; freezing does not affect activity)
pH of concentrate:	3.0
pH of 1% solution:	4.5

PACKAGING:

55-gal. polyethylene-lined steel drums, net weight 400 lb. Freight classification, Disinfectants, NOI, other than medicinal and other than toilet preparations.

PRECAUTIONS:

Do not use in water intended for human consumption.

BIOCHEK 60 should be used with proper safety precautions. Personnel should use rubber gloves, goggles, and protective clothing. The container should be kept closed when not in use.

Handle with care. May cause skin and eye irritation. Avoid prolonged contact with concentrated material. If contact occurs, wash thoroughly with soap and water.

ADVANTAGES:

- When BIOCHEK 60 is applied by the recommended method its germ-fighting properties are uniformly built into fibers. Inconvenient and hazardous dipping or spraying of finished products is not required.
- Application is simple and there is no need for special equipment or major changes in paper-making procedures.
- BIOCHEK 60 causes no operating problems in mill water systems. It will not affect sheet brightness, cause odors, contribute to foaming, coat dryers, clog felts, corrode wires, or adversely affect formation or physical properties of the finished sheet.
- Antibacterial properties of tissue treated with BIOCHEK 60 have been demonstrated in laboratory tests. Experiments with treated tissue inoculated with *Staphylococcus aureus*, a disease-producing bacteria normally found on human skin, resulted in a 50% reduction in organisms after a two-hour exposure. This indicates that BIOCHEK 60-treated tissue has germ-killing as well as germ-inhibiting properties. Effectiveness increased to 98% when exposure was lengthened to 6¼ hours.
- Hospital tests have shown that tissue treated with BIOCHEK 60 is effective against the antibiotic-resistant "golden" *Staphylococcus* and other *Staphylococcus aureus* strains freshly isolated from human infections.
- BIOCHEK 60 is especially effective against ammonia-producing bacteria that contribute to diaper rash. Laboratory tests show that disposable diapers treated with BIOCHEK 60 more effectively stop ammonia formation by *Brevibacterium ammoniagenes* than diapers treated with another well-known bactericide.
- Tissue treated with BIOCHEK 60 remains antibacterial after long periods of storage. BIOCHEK 60-treated products can also be sterilized by autoclaving without effect upon the antibacterial properties.
- During manufacture of antibacterial paper, BIOCHEK 60 can also protect white water systems against biological accumulations. Depending on the system, it can minimize or eliminate the need for other routine slime control chemicals.
- Patch tests with BIOCHEK 60 have shown that use concentrations are nonirritating to normal skin.
- BIOCHEK 60 is stable and retains its chemical, physical, and biocidal properties for long periods of time under usual storage conditions.

